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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>A61K 7/16</b>	<b>A1</b>	(11) International Publication Number: <b>WO 99/20237</b> (43) International Publication Date: <b>29 April 1999 (29.04.99)</b>
<p>(21) International Application Number: <b>PCT/IB97/01634</b></p> <p>(22) International Filing Date: <b>17 October 1997 (17.10.97)</b></p> <p>(71) Applicant (for all designated States except US): <b>ZAKRYTOE AKTSIONERNOE OBSHESTVO OSTIM [RU/RU]; per. Sechenovskiy, 6-3, Moscow, 119034 (RU).</b></p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): <b>RODIN, Vsevolod Nikolaevich [RU/RU]; ul. Pervozavodskaya, 15-2-199, Moscow, 125502 (RU); ZUEV, Vladislav Petrovich [RU/RU]; ul. Tallinskaya, 2-316, Moscow, 123426 (RU); KOMAROV, Vladimir Fedorovich [RU/RU]; Shipilovskiy proezd, 53-5-606, Moscow, 115582 (RU); MELNIKOV, Igor Vitalievich [RU/RU]; ul. Krupskol, 19-55, Moscow, 117331 (RU); VASILYEV, Vladimir Vasilievich [RU/RU]; Naberezhnaya Tarasa Shevchenko, 5-471, Moscow, 121248 (RU); ORLOV, Andrei Yurlevich [RU/RU]; ul. Kamtimirovskaya, 12-1-471, Moscow, 121357 (RU); MISHIN, Anatoly Aleksandrovich [RU/RU]; ul. Obrucheva, 3-2-77, Moscow, 117421 (RU); BOZHEVOLNOV, Viktor Evgenievich [RU/RU]; ul. Bolshaya Kommunisticheskaya, 24/28-45, Moscow, 109004 (RU).</b></p>		<p>(81) Designated States: <b>AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</b></p> <p><i>With international search report.</i></p>
<p>(54) Title: <b>STOMATIC COMPOSITION</b></p> <p>(57) Abstract</p> <p>This invention relates to the field of medicine, and in particular to the stomatology and may be used for preventive treatment and combatting caries, parodontitis and parodontosis. The stomatic composition on the basis of hydroxyapatite also comprises abrasive materials, humectants, thickeners, surfactants, flavouring agents, and a number of optional ingredients. The composition comprises hydroxyapatite in the form of particles of ultra finely divided hydroxyapatite with an average size by length (l), width (d) and thickness (h) of about <math>1 \times d \times h = 0,06 \mu\text{m} \times 0,015 \mu\text{m}; \times 0,005 \mu\text{m}</math> is capable to stimulate reparative osteogenesis processes and possessing a high bioactivity and specific pharmacological activity. The ultra finely divided hydroxyapatite is present in the composition in the amount of 0,1 % to 50 % by weight. The ultra finely divided hydroxyapatite is a synthetic hydroxyapatite which contains about 99,9 % of <math>\text{Ca}_5(\text{PO}_4)_3(\text{OH})_2</math> by weight. The stomatic composition can be used to cure microdefects of the basic substance of the dental enamel, can be applied to prepare toothpastes, toothcreams and gels and can also be included as a component of chewing gum, pastilles, tooth elixir, formulations to rinse mouth.</p>		